

IN THE SPECIFICATION:

Please substitute page 23 with the following:

Reference example 7

Polyamide 6 with a melt-flow index 6.6(230°C/2,16kg) and relative solution viscosity of 3.2 (reference polyamide III) was processed while adding 0.2% Irganox B1171 (a blend of heat and process stabilizers).

Table 4: Properties of PA/PP nanocomposite blends

	Ref.Example 6	Ref.Example 7	Example 8	Example 10	Example 12	Example 14	Reference polyamide III
PA 6, % by wt.	94.8	99.8	80	79	78.2	78.2	100
PP, % by wt.	-	-	15	15	15	15	-
Clay content, % by wt.	5	-	5	5	5	5	-
Ionomer Ac, % by wt.	-	-	-	1	-		-
Ionomer Ac1, % by wt.	-	-	-	-	1.8		-
Ionomer Sr, % by wt.	-	-	-	-	-	1.8	-
Irganox, % by wt.	0.2	0.2	-	-	-	-	-
MVI (230°C/2.16kg), cm ³ /10min	3.6	6.6	2.8	1.6	2.4	1.5	6.6
Tensile strength, MPa	92.9	79	73	72	75	76	79
Retention of tensile strength after 336 hours at 150°C, %	16.7	27.5	30	52	45	48	<25
Tensile elongation, %	3.5	3.8	3.1	3.2	3.2	3.5	4.2
Breaking elongation, %			4.6	6	4.6	6	29.5
E modulus, MPa	4140	3034	3905	3810	3580	3570	2720
Notch-impact strength, 23°C, kJ/m ²	4	3.67	4	4.2	4	4.3	2.5
Water absorption acc. to EN ISO 1110, (50%/RH), %	2.4	2.5	1.9	1.8	2.1	2.1	2.5
E modulus, (50% RH) MPa	1760	936	1900	1920	1740	1670	930